

08/252710

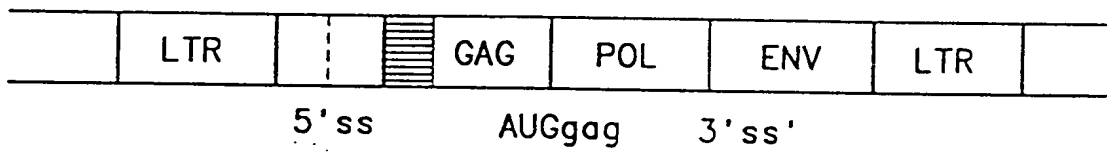
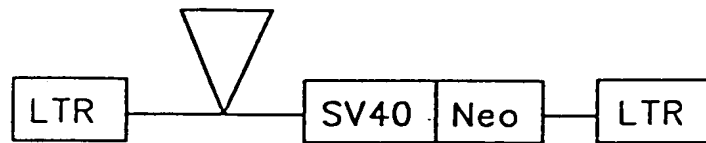
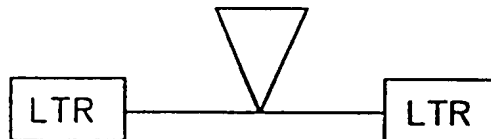
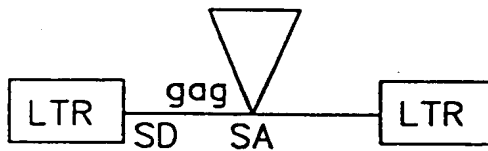
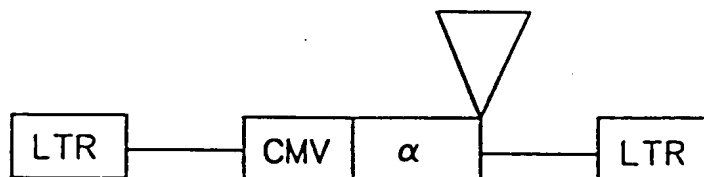


FIG. 1

FIG. 2A
pLJFIG. 2B
pEmFIG. 2C
MFGFIG. 2D
 α SGC

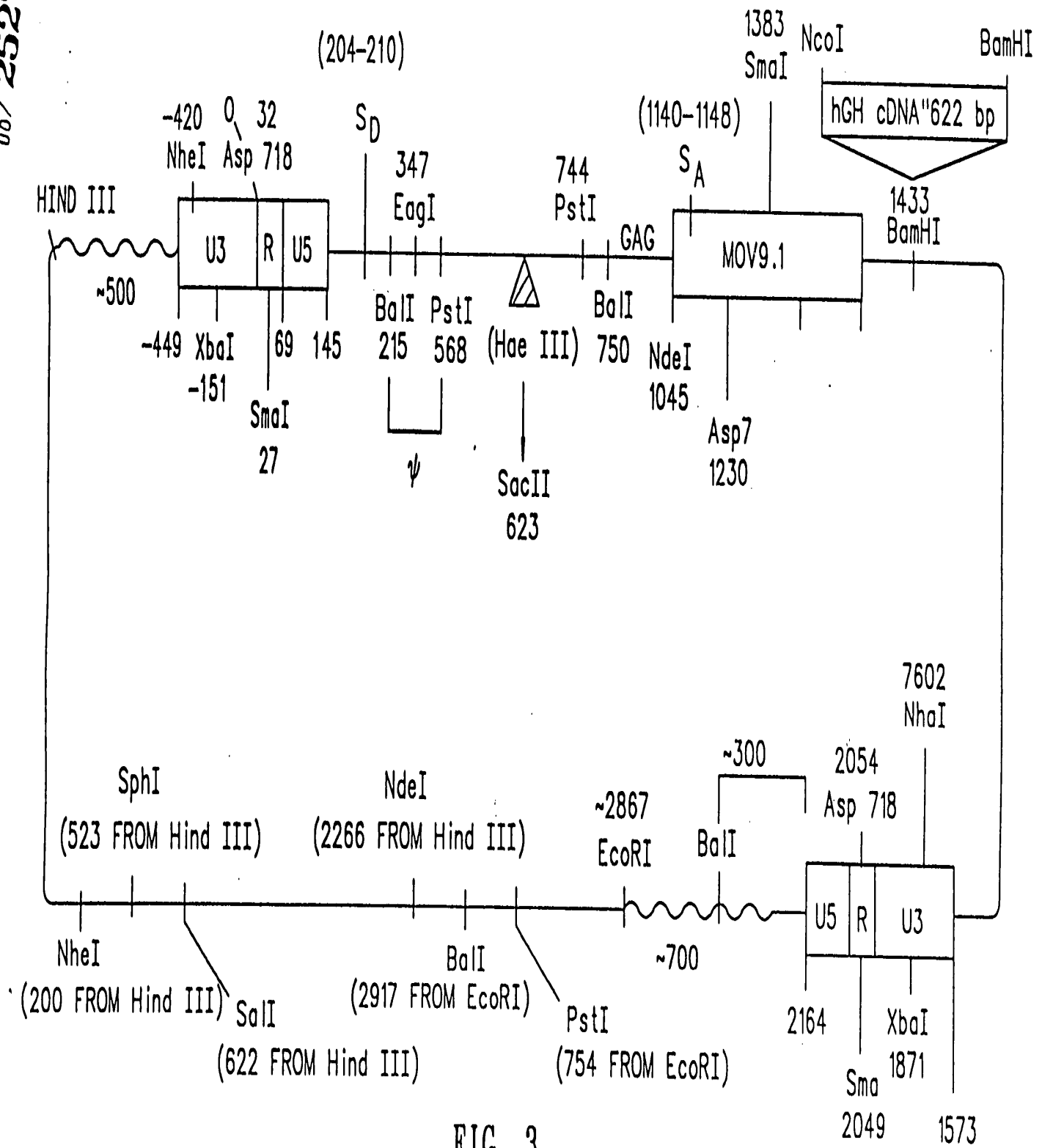


FIG. 3

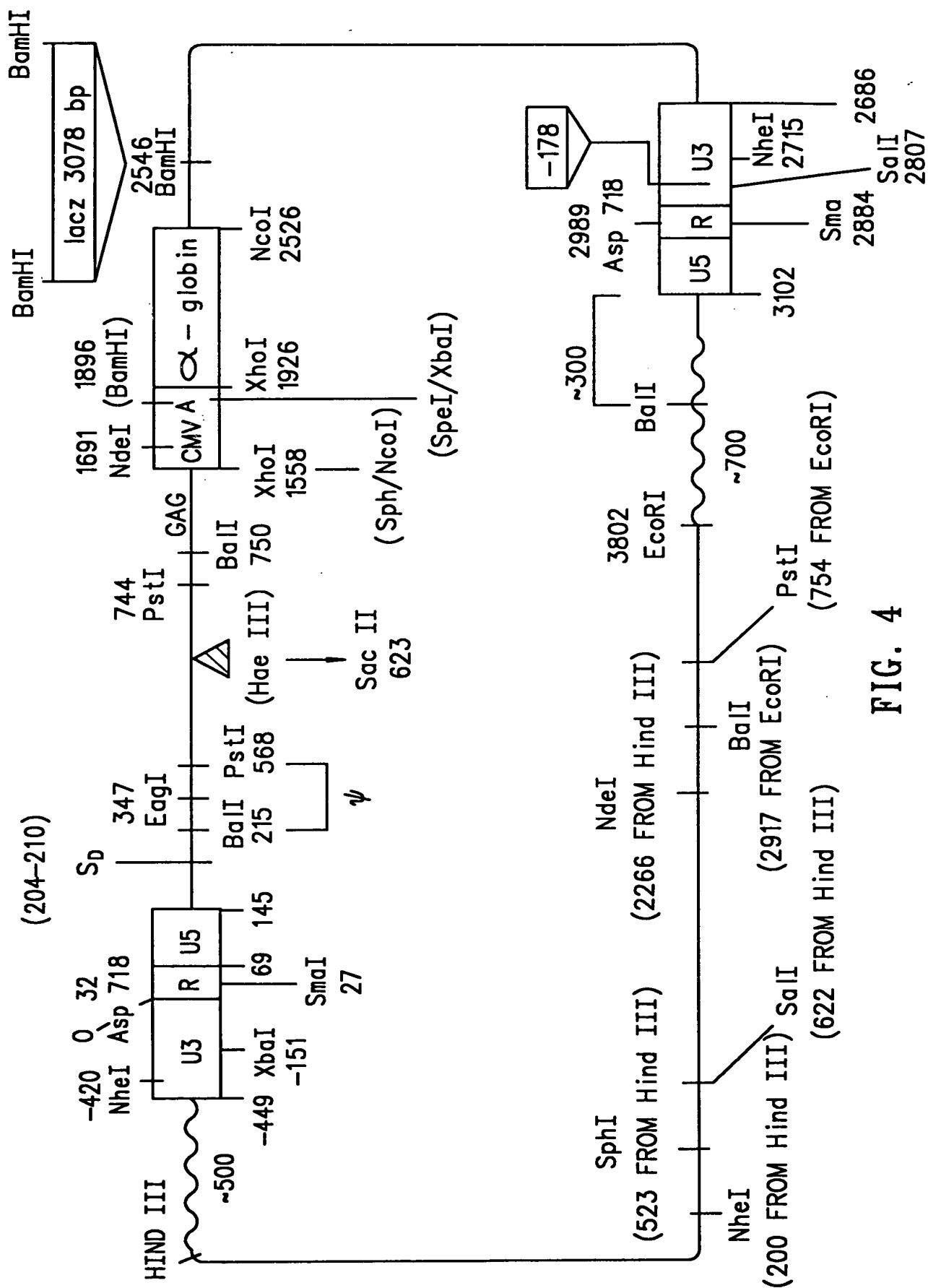


FIG. 4

FIG. 5

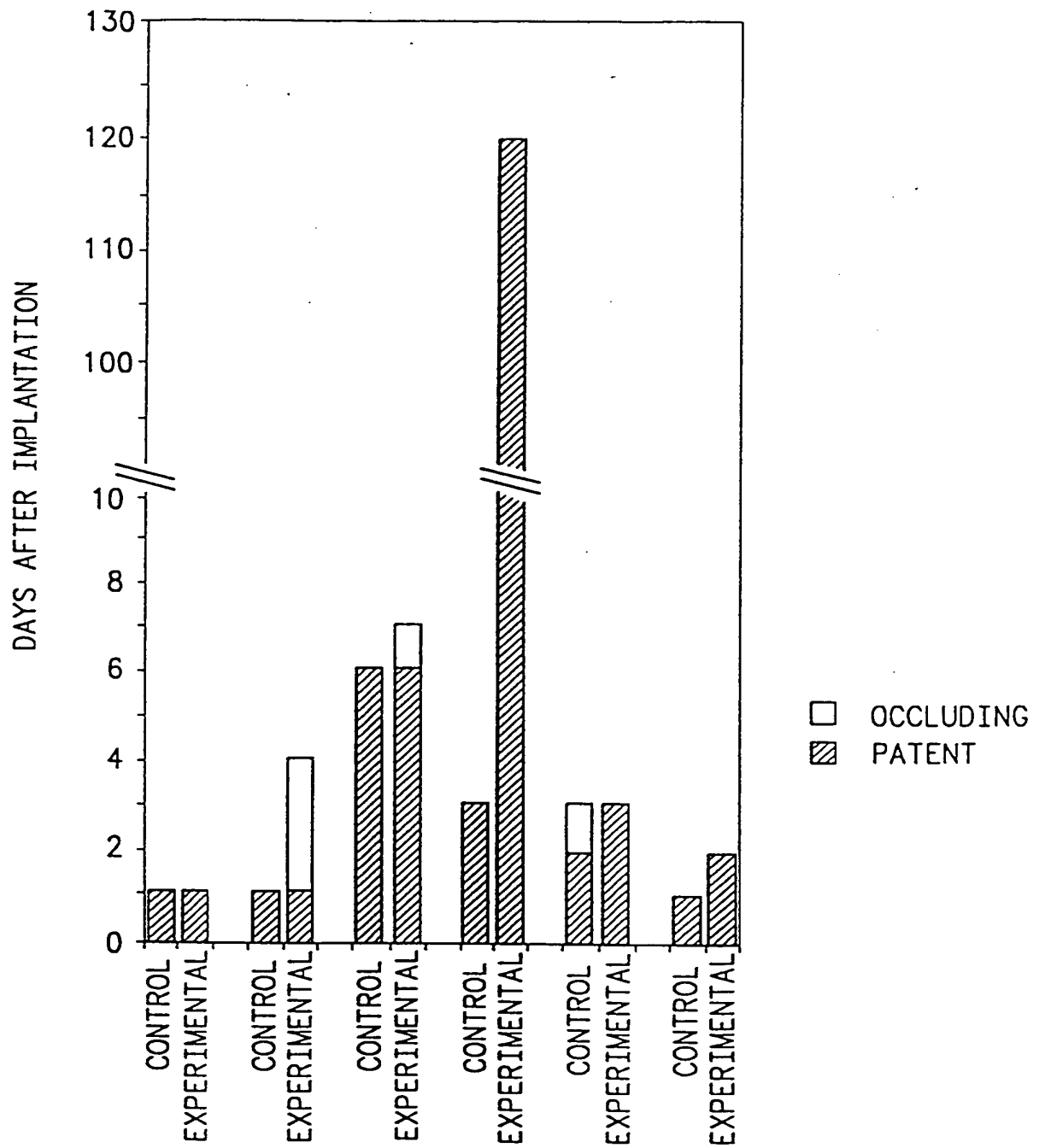


FIG. 6A

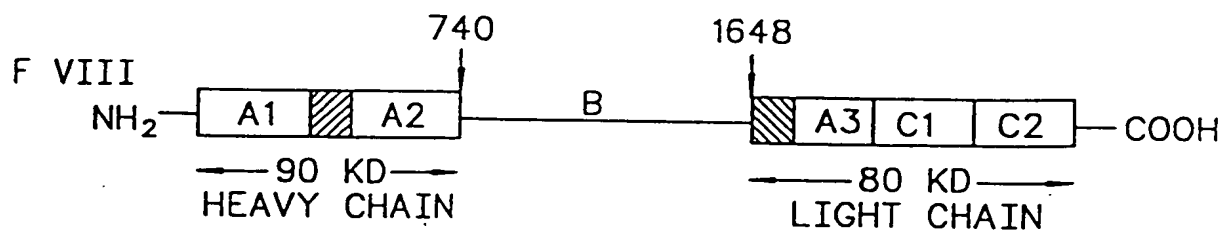


FIG. 6B

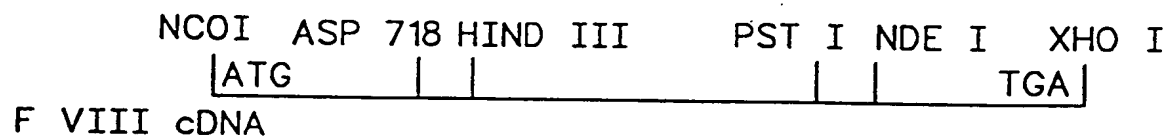


FIG. 6C

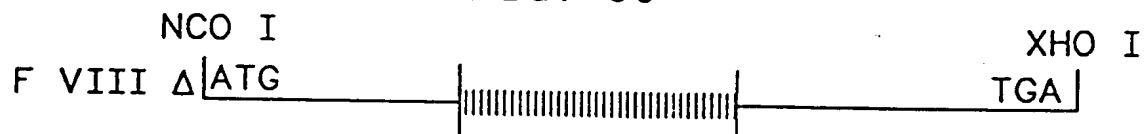
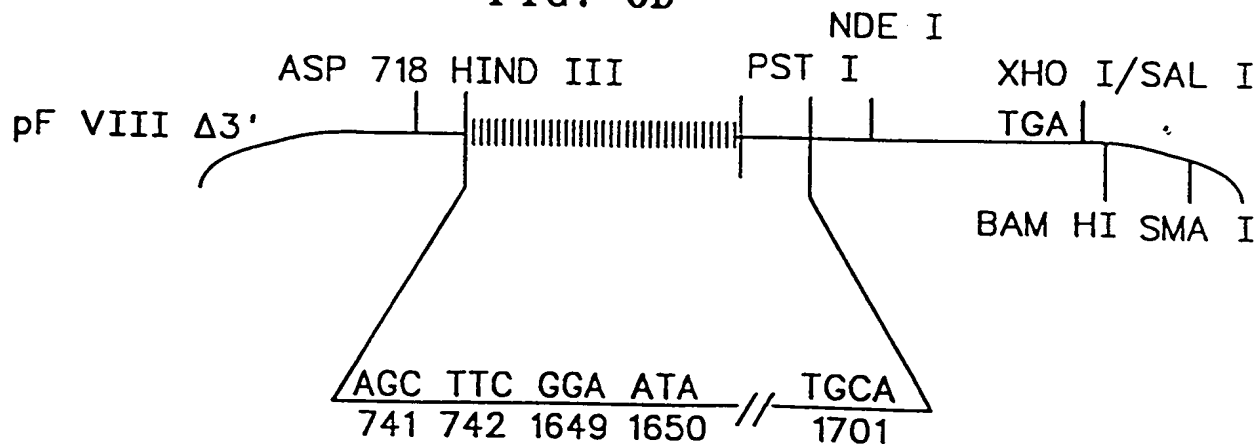


FIG. 6D



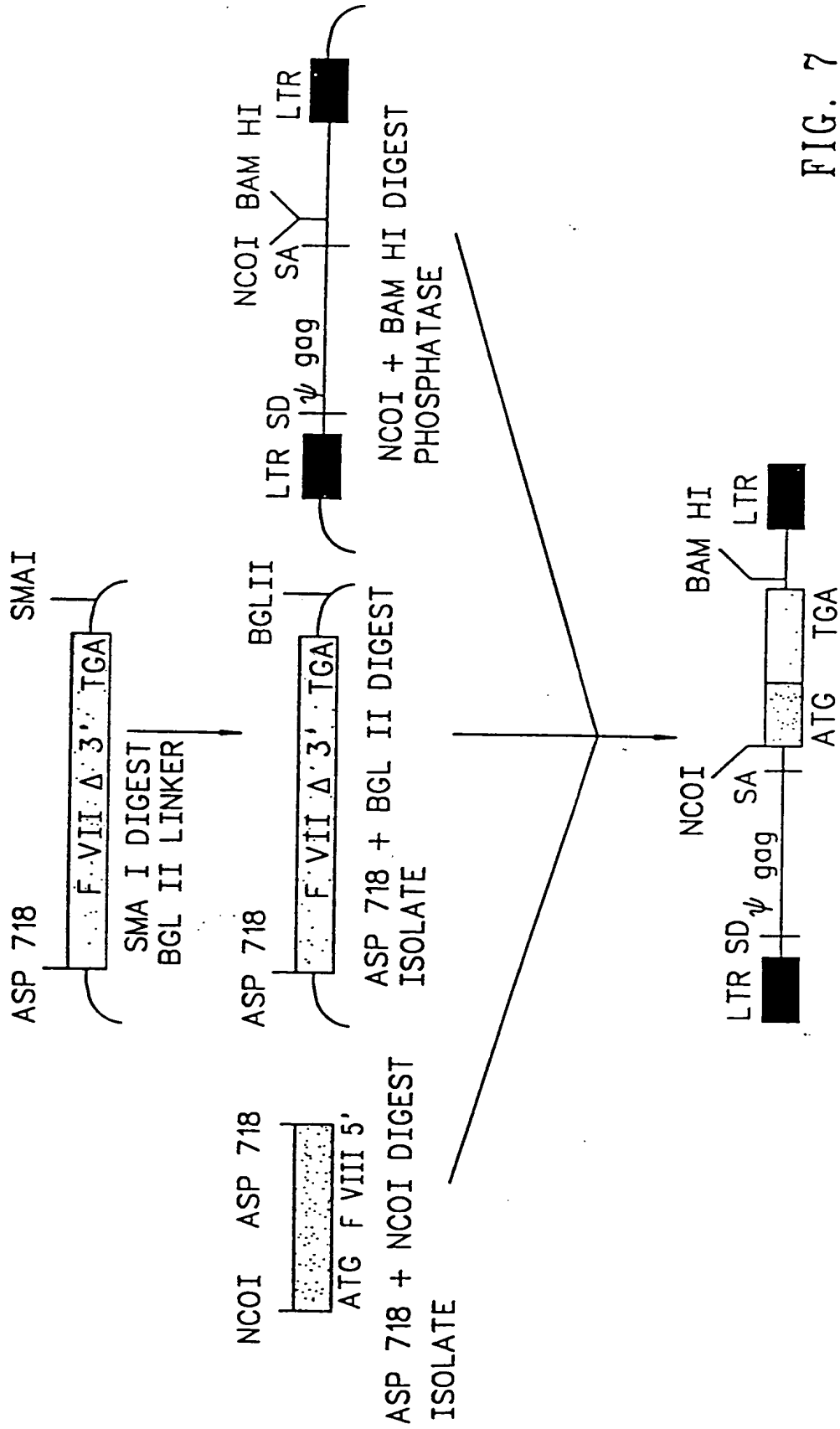


FIG. 7



FIG. 8

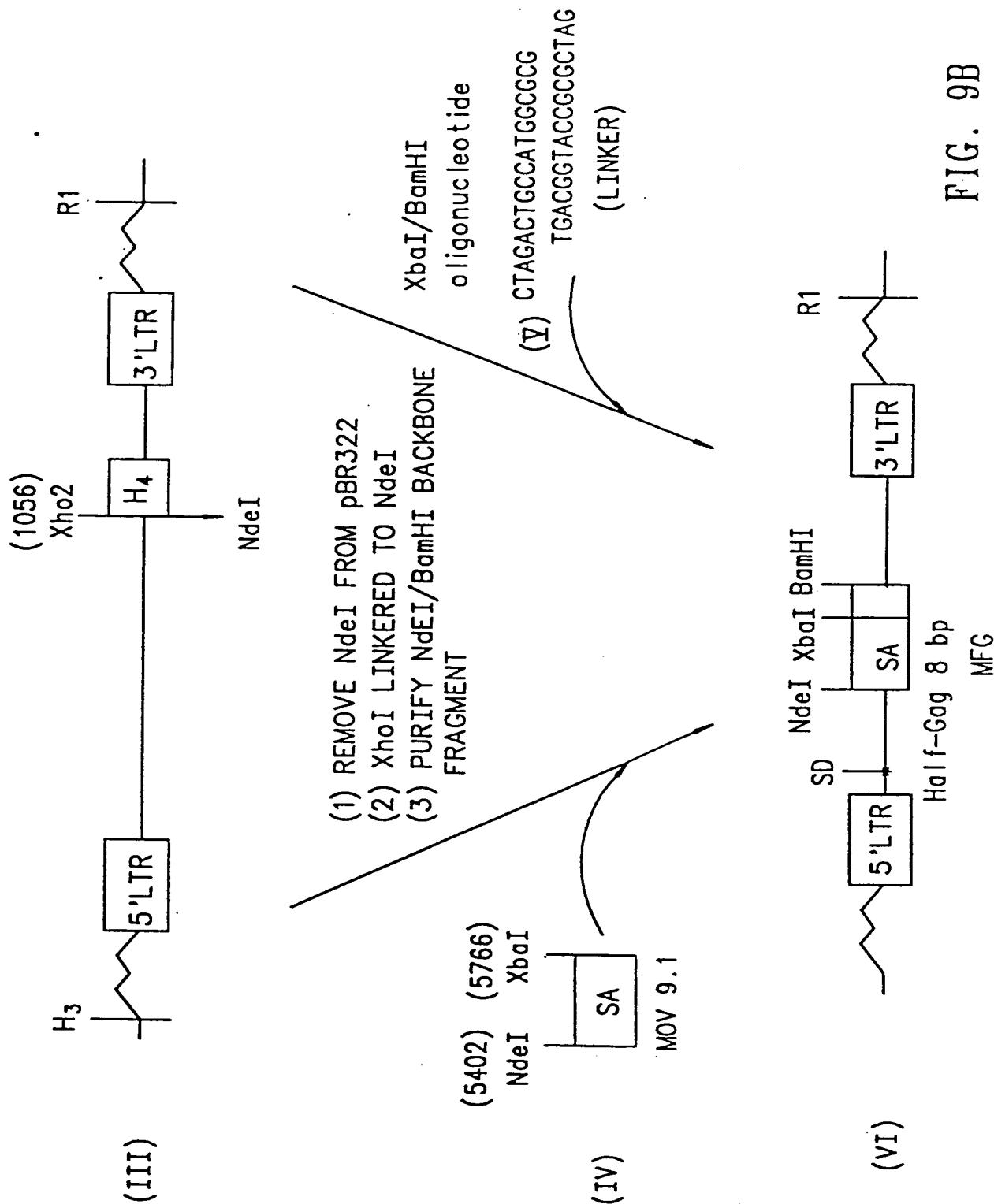


FIG. 9B

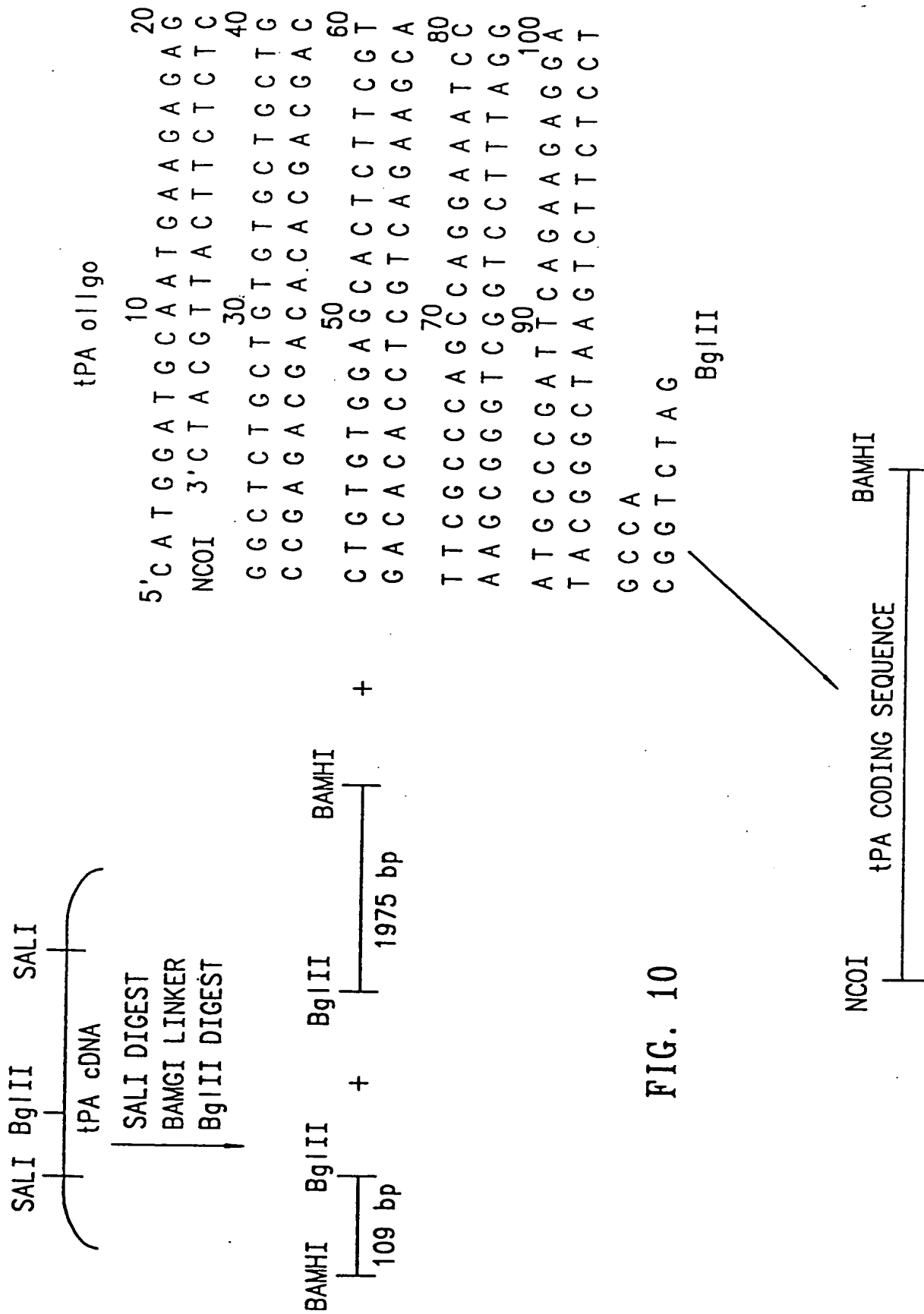
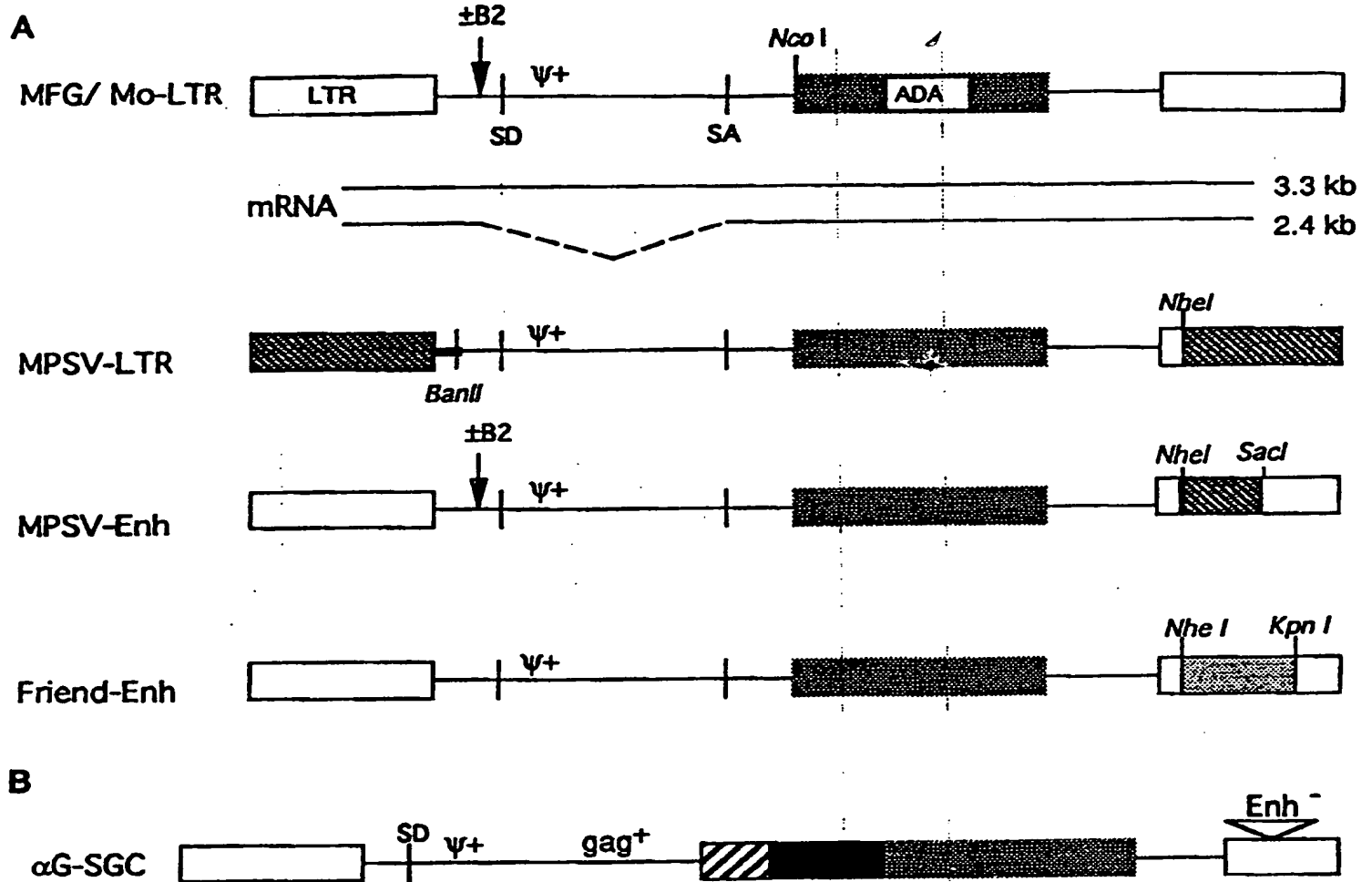


FIG. 10

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FIG. 11

**C**

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FIG. 12

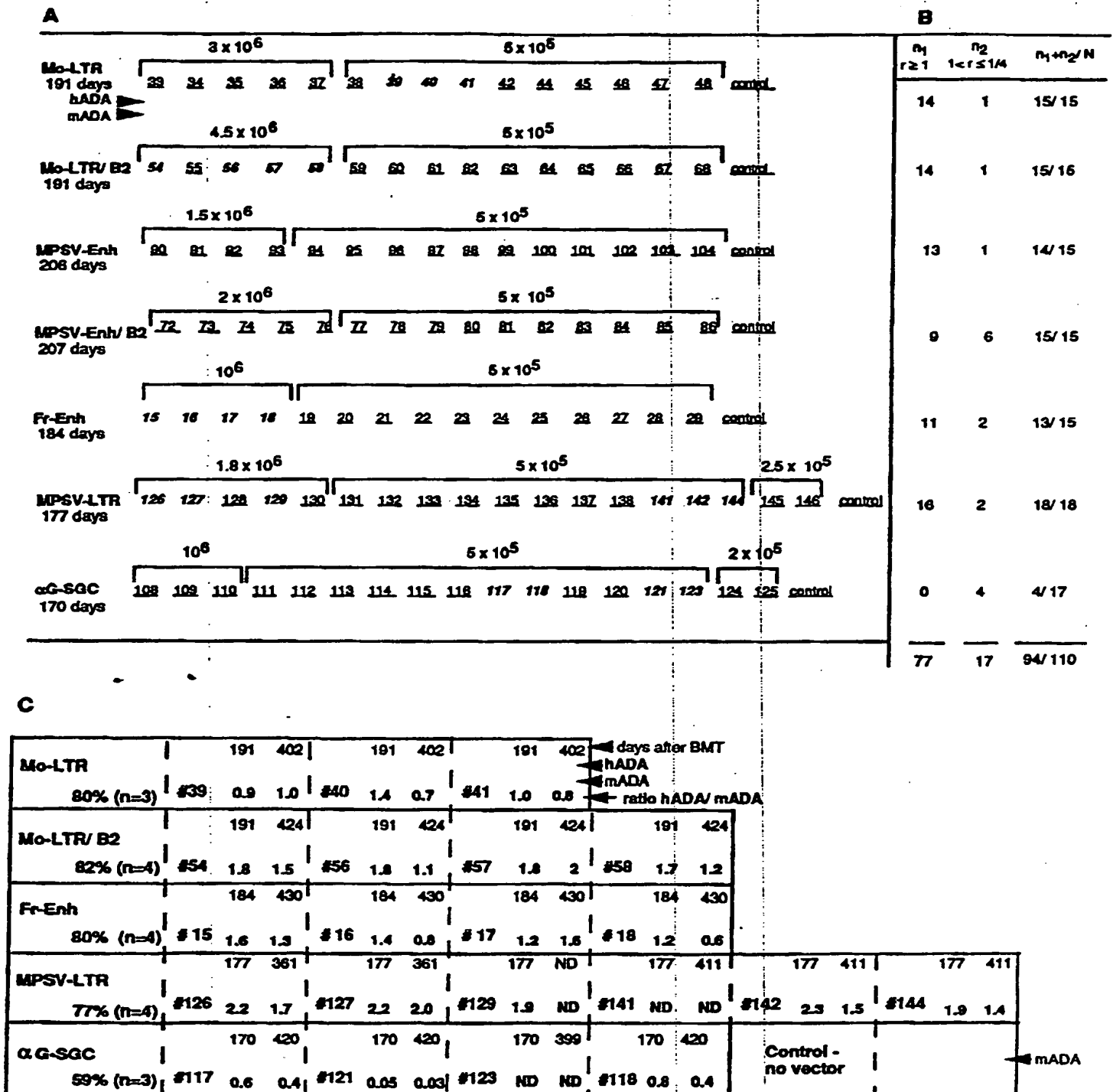
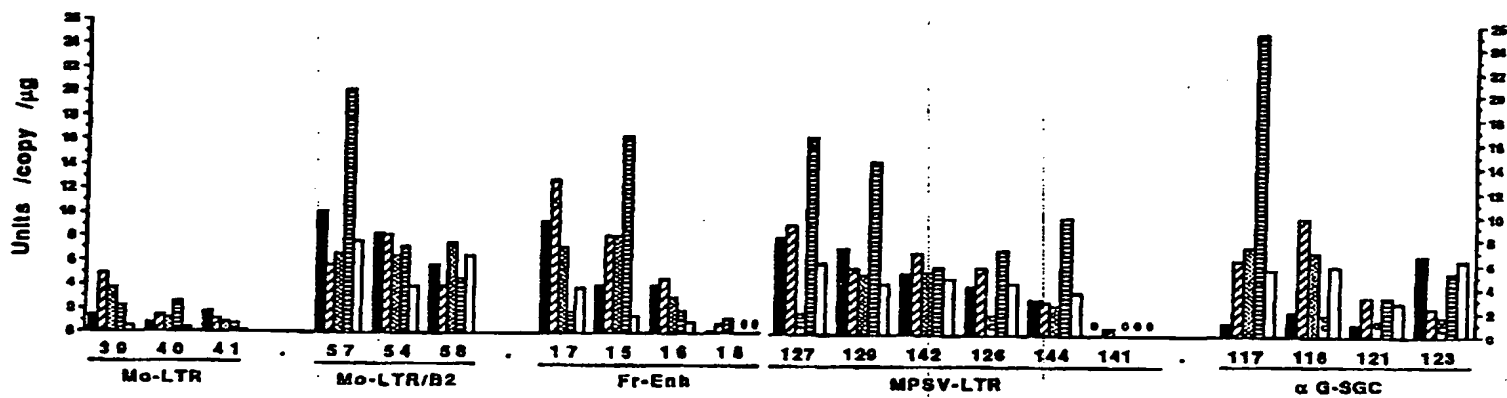
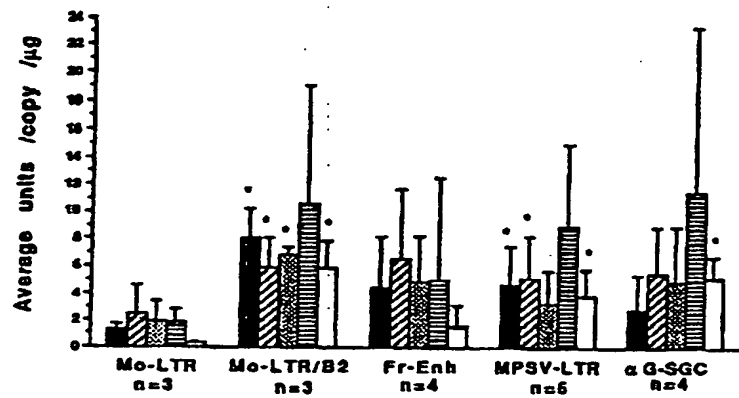


FIG. 13

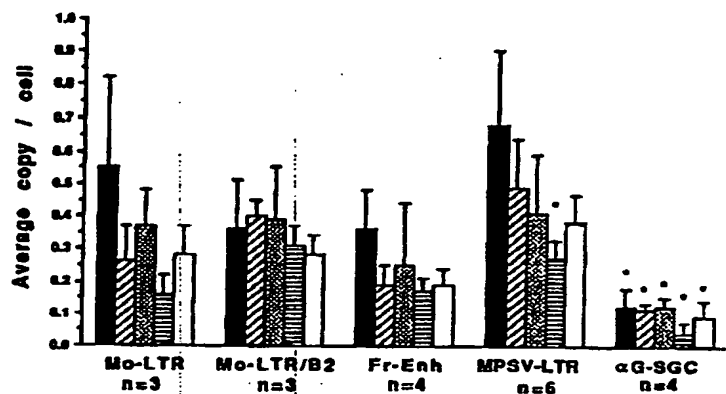
A



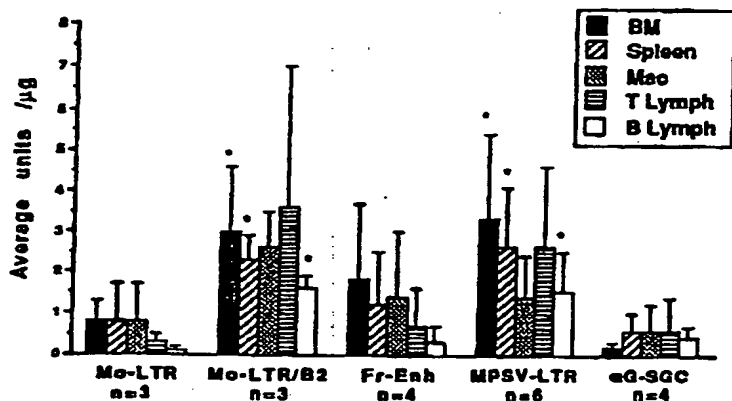
B



C



D



MoMuLV: GGTGGAACTGACGAGTTCGGGAACAACCCGCGGCCGCACACCCTGGGAGACGTCCCAGGGACTTCGGGGGCGCCTTTTITGTGGCCCCGACCT

MFG: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

MFG-S: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

MoMuL.V: GAGTCCCAAAATCCCGATCGIIIGGACICIIIGGTGCACCCCTTAGAGGGGATATGTGGTTCTGGTAGAGACGAGAACC
MFG: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
MFG-S: XXXXXIXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[illegible]

MoMuLV: ICIGTGTGTCTCTGTCTGTGACGTGTGTCTCTGTATTTTGTCTGTGAGAAATGGG-----CCAGACTGTTACCACTCCCT

MFG: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXCCCCGGGXXXXXX XXXXXXXXXXXXXXXXXXXX

MFG-S: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXCCCCGGGXXXXXX XXXXXXXXXXXXXXXXXXXX

FIG. 15

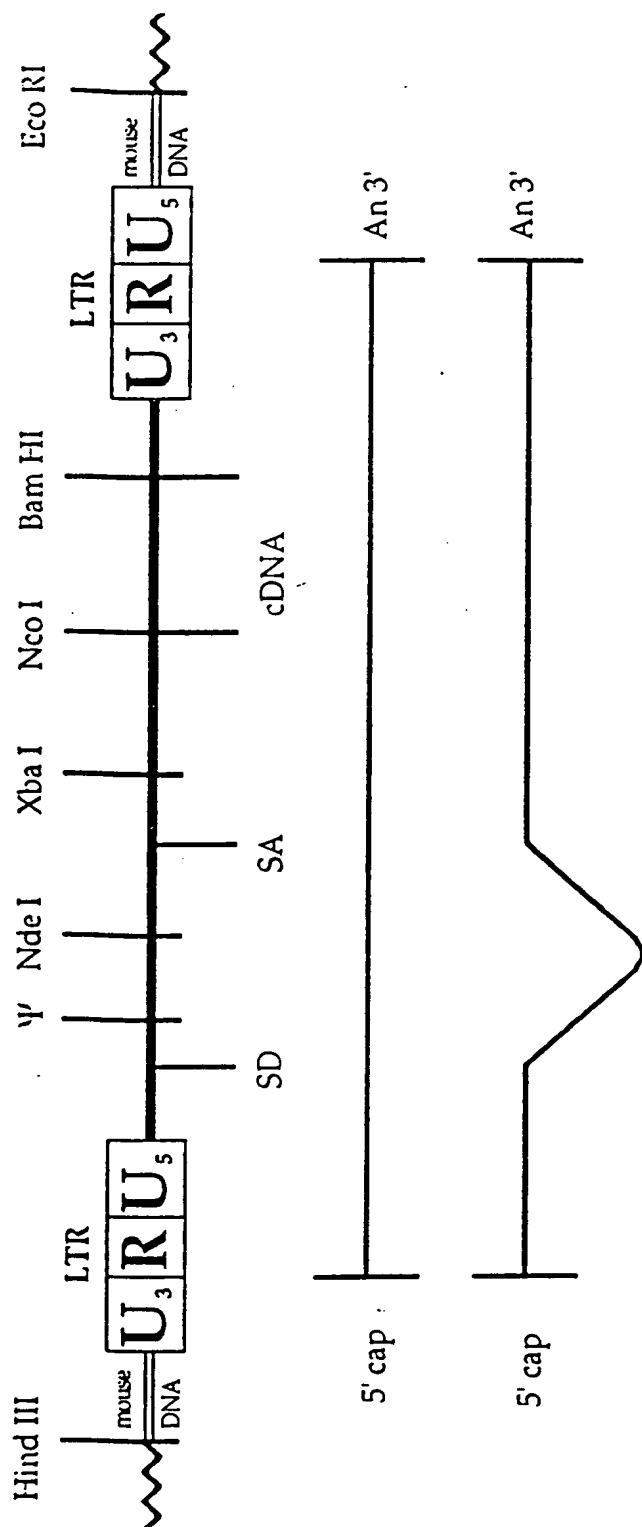


FIG. 16

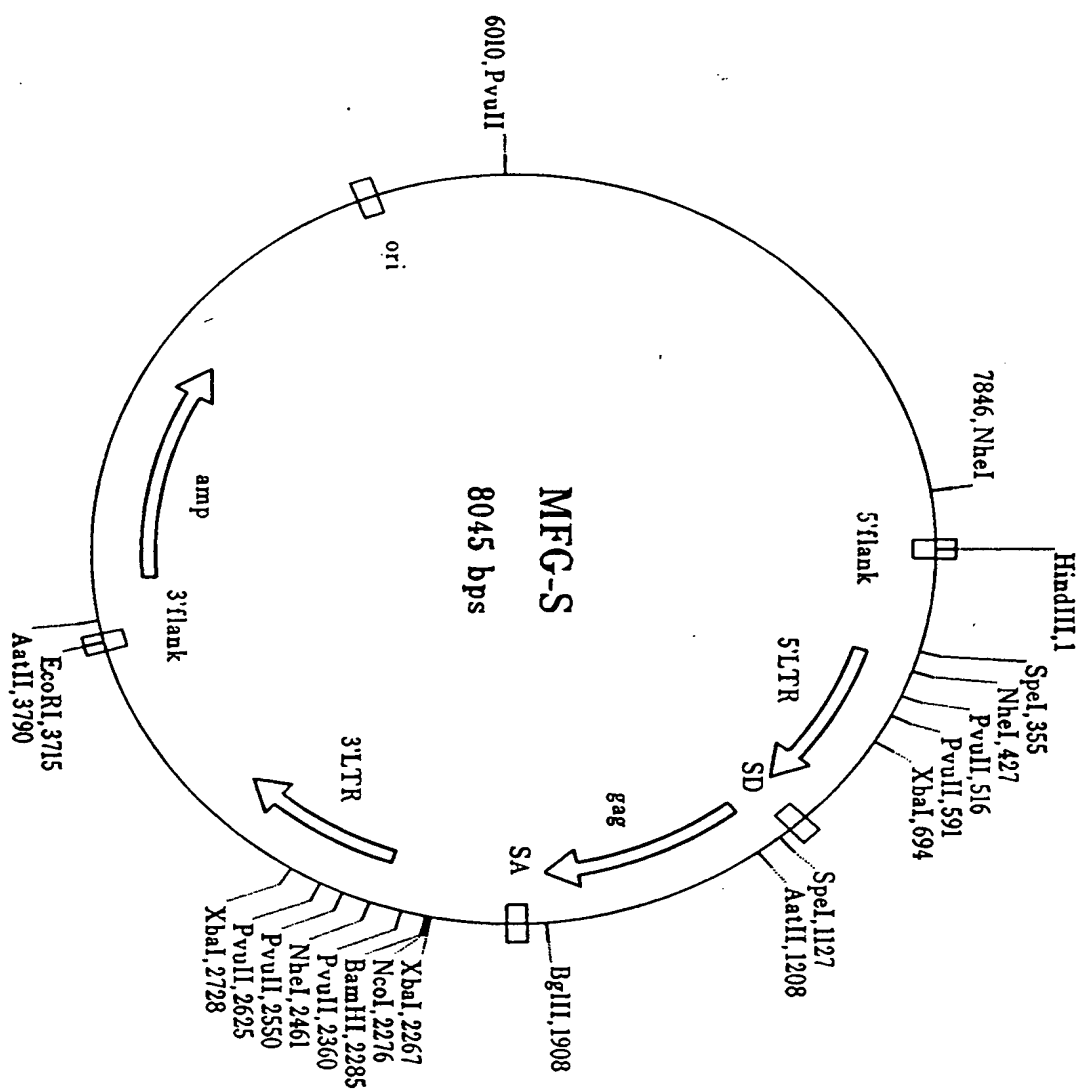


FIG. 17

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61	TTGTTCTATG AACAAAGATAC	CCCTAGGGGG GGGATCCCCC	CGGGGGGAAG GCCCCCCTTC	CTAAGCCAGC GATTCGGTGC	TTTTTTTAAAC AAAAAAATTG	ATTTAAAATG TAAATTTTAC
121	TTAATTCCAT AATTAAGGTA	TTTAAATGCA AAATTTACGT	CAGATGTTTT GTCTACAAAA	TATTTTCATAA ATAAAGTATT	GGGTTTCAAT CCCAAAGTTA	GTGCATGAAT CACGTACTTA
181	GCTGCAATAT CGACGTTATA	TCCTGTTACC AGGACAATGG	AAAGCTAGTA TTTCGATCAT	TAAATAAAAA ATTTATTTTT	TAGATAAACG ATCTATTTGC	TGGAAATTAC ACCTTTAATG
241	TTAGAGTTTC AATCTCAAAG	TGTCATTAAC ACAGTAATTG	GTTTCCTTCC CAAAGGAAGG	TCAGTTGACA AGTCAACTGT	ACATAAATGC TGTATTTACG	GCTGCTGAGC CGACGACTCG
301	AAGCCAGTTT TTCGGTCAAA	GCATCTGTCA CGTAGACAGT	GGATCAATTT CCTAGTTAAA	CCCATTATGC GGGTAATACG	CAGTCATATT GTCAGTATAA	AATTACTAGT TTAATGATCA
361	CAATTAGTTG GTTAATCAAC	ATTTTTATTT TAAAAATAAA	TTGACATATA AACTGTATAT	CATGTGAATG GTACACTTAC	AAAGACCCCA TTTCTGGGGT	CCTGTAGGTT GGACATCCAA
421	TGGCAAGCTA ACCGTTTCGAT	GCTTAAGTAA CGAATTCATT	CGCCATTTTG GCGGTAAAAAC	CAAGGCATGG GTTCCGTACC	AAAAATACAT TTTTTATGTA	AACTGAGAAT TTGACTCTTA
481	AGAAAAGTTC TCTTTTCAAG	AGATCAAGGT TCTAGTTCCA	CAGGAACAGA GTCCTTGTCT	TGGAACAGCT ACCTTGTCGA	GAATATGGGC CTTATACCCG	CAAACAGGAT GTTTGTCTTA
541	ATCTGTGGTA TAGACACCAT	AGCAGTTCCT TCGTCAAGGA	GCCCCGGCTC CGGGGCCGAG	AGGGCCAAGA TCCCGGTTCT	ACAGATGGAA TGTCTACCTT	CAGCTGAATA GTCGACTTAT
601	TGGGCCAAAC ACCCGGTTTG	AGGATATCTG TCCTATAGAC	TGGTAAGCAG ACCATTCGTC	TTCCTGCCCC AAGGACGGGG	GGCTCAGGGC CCGAGTCCCC	CAAGAACAGA GTTCTTGTCT
661	TGGTCCCCAG ACCAGGGGTC	ATGCGGTCCA TACGCCAGGT	GCCCTCAGCA CGGGAGTCGT	GTTTCTAGAG CAAAGATCTC	AACCATCAGA TTGGTAGTCT	TGTTTCCAGG ACAAAGGTCC
721	GTGCCCCAAG CACGGGGTTC	GACCTGAAAT CTGGACTTTA	GACCCTGTGC CTGGGACACG	CTTATTTGAA GAATAAACTT	CTAACCAATC GATTGGTTAG	AGTTCGCTTC TCAAGCGAAG
781	TCGCTTCTGT AGCGAAGACA	TCGCGCGCTT AGCGCGCGAA	CTGCTCCCCG GACGAGGGGC	AGCTCAATAA TCGAGTTATT	AAGAGCCCAC TTCTCGGGTG	AACCCCTCAC TTGGGGAGTG
841	TCGGGGCGCC AGCCCCGCGG	AGTCCTCCGA TCAGGAGGCT	TTGACTGAGT AACTGACTCA	CGCCCCGGTA GCGGGCCCAT	CCCGTGTATC GGGCACATAG	CAATAAACCC GTTATTTGGG
901	TCTTGCAGTT AGAACGTCAA	GCATCCGACT CGTAGGCTGA	TGTGGTCTCG ACACCAGAGC	CTGTTCCCTTG GACAAGGAAC	GGAGGGTCTC CCTCCCAGAG	CTCTGAGTGA GAGACTCACT
961	TTGACTACCC AACTGATGGG	GTCAGCGGGG CAGTCGCCCC	GTCTTTCATT CAGAAAGTAA	TGGGGGCTCG ACCCCCGAGC	TCCGGGATCG AGGCCCTAGC	GGAGACCCCT CCTCTGGGGA
1021	GCCCAGGGAC CGGGTCCCTG	CACCGACCCA GTGGCTGGGT	CCACCGGGAG GGTGGCCCTC	GTAAGCTGGC CATTCGACCG	CAGCAACTTA GTCGTTGAAT	TCTGTGTCTG AGACACAGAC

081.	TCCGATTGTC AGGCTAACAG	TAGTGTCTAT ATCACAGATA	GACTGATTTT CTGACTAAAA	ATGCGCCTGC TACGCGGACG	GTCGGTACTA CAGCCATGAT	GTTAGCTAAC CAATCGATTG
141	TAGCTCTGTA ATCGAGACAT	TCTGGCGGAC AGACCGCCTG	CCGTGGTGGA GGCACCACCT	ACTGACGAGT TGACTGCTCA	TCGGAACACC AGCCTTGTGG	CGGCCGCAAC GCCGGCGTTG
201	CCTGGGAGAC GGACCCTCTG	GTCCCAGGGA CAGGGTCCCT	CTTCGGGGGC GAAGCCCCCG	CGTTTTTGTG GCAAAAACAC	GCCCGACCTG CGGGCTGGAC	AGTCCTAAAA TCAGGATTTT
261	TCCCGATCGT AGGGCTAGCA	TTAGGACTCT AATCCTGAGA	TTGGTGCACC AACCACGTGG	CCCCTTAGAG GGGGAATCTC	GAGGGATATG CTCCCTATAC	TGGTTCTGGT ACCAAGACCA
321	AGGAGACGAG TCCTCTGCTC	AACCTAAAAAC TTGGATTTTG	AGTTCCCGCC TCAAGGGCGG	TCCGTCTGAA AGGCAGACTT	TTTTTGCTTT AAAAACGAAA	CGGTTTGGGA GCCAAACCCT
381	CCGAAGCCGC GGCTTCGGCG	GCCGCGCGTC CGGCGCGCAG	TTGTCTGCTG AACAGACGAC	CAGCATCGTT GTCGTAGCAA	CTGTGTTGTC GACACAACAG	TCTGTCTGAC AGACAGACTG
441	TGTGTTTCTG ACACAAAGAC	TATTTGTCTG ATAAACAGAC	AAAATATGGG TTTTATACCC	CCCGGGCTAG GGGCCCCGATC	ACTGTTACCA TGACAATGGT	CTCCCTTAAG GAGGGAATTC
501	TTTGACCTTA AAACTGGAAT	GGTCACTGGA CCAGTGACCT	AAGATGTCGA TTCTACAGCT	GCGGATCGCT CGCCTAGCGA	CACAACCAGT GTGTTGGTCA	CGGTAGATGT GCCATCTACA
561	CAAGAAGAGA GTTCTTCTCT	CGTTGGGTTA GCAACCCAAT	CCTTCTGCTC GGAAGACGAG	TGCAGAATGG ACGTCTTACC	CCAACCTTTA GGTTGGAAAT	ACGTCGGATG TGCAGCCTAC
621	GCCGCGAGAC CGGCGCTCTG	GGCACCTTTA CCGTGGAAAT	ACCGAGACCT TGGCTCTGGA	CATCACCCAG GTAGTGGGTC	GTTAAGATCA CAATTCTAGT	AGGTCTTTTC TCCAGAAAAG
681	ACCTGGCCCG TGGACCGGGC	CATGGACACC GTACCTGTGG	CAGACCAGGT GTCTGGTCCA	CCCCTACATC GGGGATGTAG	GTGACCTGGG CACTGGACCC	AAGCCTTGGC TTCGGAACCG
741	TTTTGACCCC AAACTGGGG	CCTCCCTGGG GGAGGGACCC	TCAAGCCCTT AGTTCGGGAA	TGTACACCCT ACATGTGGGA	AAGCCTCCGC TTCGGAGGCG	CTCCTCTTCC GAGGAGAAGG
801	TCCATCCGCC AGGTAGGCGG	CCGTCTCTCC GGCAGAGAGG	CCCTTGAACC GGGAACCTTG	TCCTCGTTCC AGGAGCAAGC	ACCCCGCCTC TGGGGCGGAG	GATCCTCCCT CTAGGAGGGA
861	TTATCCAGCC AATAGGTCGG	CTCACTCCTT GAGTGAGGAA	CTCTAGGCGC GAGATCCGCG	CCCCATATGG GGGGTATACC	CCATATGAGA GGTATACTCT	TCTTATATGG AGAATATACC
921	GGCACCCCG CCGTGGGGGC	CCCCTTGTA GGGGAACATT	ACTTCCCTGA TGAAGGGACT	CCCTGACATG GGGACTGTAC	ACAAGAGTTA TGTTCTCAAT	CTAACAGCCC GATTGTGGG
981	CTCTCTCCAA GAGAGAGGTT	GCTCACTTAC CGAGTGAATG	AGGCTCTCTA TCCGAGAGAT	CTTAGTCCAG GAATCAGGTC	CACGAAGTCT GTGCTTCAGA	GGAGACCTCT CCTCTGGAGA
1041	GGCGGCAGCC CCGCCGTCGG	TACCAAGAAC ATGGTTCTTG	AACTGGACCG TTGACCTGGC	ACCGGTGGTA TGGCCACCAT	CCTCACCCTT GGAGTGGGAA	ACCGAGTCGG TGGCTCAGCC
1101	CGACACAGTG GCTGTGTCAC	TGGGTCCGCC ACCCAGGCGG	GACACCAGAC CTGTGGTCTG	TAAGAACCTA ATTCTTGAT	GAACCTCGCT CTTGAGCGA	GGAAAGGACC CCTTTCCTGG
1161	TTACACAGTC AATGTGTCAG	CTGCTGACCA GACGACTGGT	CCCCACCGC GGGGGTGGCG	CCTCAAAGTA GGAGTTTCAT	GACGGCATCG CTGCCGTAGC	CAGCTTGGAT GTGCAACCTA
1221	ACACGCCGCC TGTGCGGCGG	CACGTGAAGG GTGCACTTCC	CTGCCGACCC GACGGCTGGG	CGGGGGTGG GCCCCACCT	CCATCCTCTA GGTAGGAGAT	GACTGCCATG CTGACGGTAC

281.	GCGCGGATCC CGCGCCTAGG	GGATTAGTCC CCTAATCAGG	AATTTGTAA TTAAACAATT	AGACAGGATA TCTGTCCTAT	TCAGTGGTCC AGTCACCAGG	AGGCTCTAGT TCCGAGATCA
341	TTTGACTCAA AAACTGAGTT	CAATATCACC GTTATAGTGG	AGCTGAAGCC TCGACTTCGG	TATAGAGTAC ATATCTCATG	GAGCCATAGA CTCGGTATCT	TAAAAATAAAA ATTTTATTTT
401	GATTTTATTT CTAAAATAAA	AGTCTCCAGA TCAGAGGTCT	AAAAGGGGGG TTTTCCCCC	AATGAAAGAC TTACTTTCTG	CCCACCTGTA GGGTGGACAT	GGTTTGGCAA CCAAACCGTT
461	GCTAGCTTAA CGATCGAATT	GTAACGCCAT CATTGCGGTA	TTTGCAAGGC AAACGTTCCG	ATGGAAAAAT TACCTTTTTA	ACATAACTGA TGTATTGACT	GAATAGAGAA CTTATCTCTT
521	G TTCAGATCA CAAGTCTAGT	AGGTCAGGAA TCCAGTCCTT	CAGATGGAAC GTCTACCTTG	AGCTGAATAT TCGACTTATA	GGGCCAAACA CCCGGTTTGT	GGATATCTGT CCTATAGACA
581	GGTAAGCAGT CCATTTCGTCA	TCCTGCCCCG AGGACGGGGC	GCTCAGGGCC CGAGTCCCCG	AAGAACAGAT TTCTTGCTCTA	GGAACAGCTG CCTTGTCGAC	AATATGGGCC TTATACCCGG
641	AAACAGGATA TTTGTCTCTAT	TCTGTGGTAA AGACACCATT	GCAGTTCCTG CGTCAAGGAC	CCCCGGCTCA GGGGCCGAGT	GGGCCAAGAA CCCGGTTCTT	CAGATGGTCC GTCTACCAGG
701	CCAGATGCGG GGTCTACGCC	TCCAGCCCTC AGGTCGGGAG	AGCAGTTTCT TCGTCAAAGA	AGAGAACCAT TCTCTTGGTA	CAGATGTTTC GTCTACAAAG	CAGGGTGCCC GTCCCACGGG
761	CAAGGACCTG GTTCTGCGGAC	AAATGACCCT TTTACTGGGA	GTGCCTTATT CACGGAATAA	TGAACTAACC ACTTGATTGG	AATCAGTTCG TTAGTCAAGC	CTTCTCGCTT GAAGAGCGAA
821	CTGTTTCGCGC GACAAGCGCG	GCTTCTGCTC CGAAGACGAG	CCCGAGCTCA GGGCTCGAGT	ATAAAAGAGC TATTTTCTCG	CCACAACCCC GGTGTGGGG	TCACTCGGGG AGTGAGCCCC
881	CGCCAGTCCT GCGGTCAGGA	CCGATTGACT GGCTAACTGA	GAGTCGCCCC CTCAGCGGGC	GGTACCCGTG CCATGGGCAC	TATCCAATAA ATAGGTTATT	ACCCTCTTGC TGGGAGAACG
941	AGTTGCATCC TCAACGTAGG	GACTTGTTGGT CTGAACACCA	CTCGCTGTTT GAGCGACAAG	CTTGGGAGGG GAACCCTCCC	TCTCCTCTGA AGAGGAGACT	GTGATTGACT CACTAACTGA
001	ACCCGTCAGC TGGGCAGTCG	GGGGGTCTTT CCCCCAGAAA	CACACATGCA GTGTGTACGT	GCATGTATCA CGTACATAGT	AAATTAATTT TTAATTAATA	GGTTTTTTTTT CCAAAAAAA
061	CTTAAGTATT GAATTCATAA	TACATTAAAT ATGTAATTTA	GGCCATAGTA CCGGTATCAT	CTTAAAGTTA GAATTTCAAT	CATTGGCTTC GTAACCGAAG	CTTGAAATAA GAACTTTATT
121	ACATGGAGTA TGTACCTCAT	TTCAGAATGT AAGTCTTACA	GTCATAAATA CAGTATTTAT	TTTCTAATTT AAAGATTAAA	TAAGATAGTA ATTCTATCAT	TCTCCATTGG AGAGGTAACC
181	CTTTCTACTT GAAAGATGAA	TTTCTTTTAT AAAGAAAATA	TTTTTTTTGT AAAAAAAACA	CCTCTGTCTT GGAGACAGAA	CCATTTGTTG GGTAAACAAC	TTGTTGTTGT AACAACAACA
241	TTGTTTGT AACAAACAAA	GTTTGTGTTG CAAACAACCA	TGGTTGGTTA ACCAACCAAT	ATTTTTTTTT TAAAAAAA	AAAGATCCTA TTTCTAGGAT	CACTATAGTT GTGATATCAA
301	CAAGCTAGAC GTTTCGATCTG	TATTAGCTAC ATAATCGATG	TCTGTAACCC AGACATTGGG	AGGGTGACCT TCCCCTGGA	TGAAGTCATG ACTTCAGTAC	GGTAGCCTGC CCATCGGACG
361	TGTTTTAGCC ACAAAATCGG	TTCCACATC AAGGGTGTAG	TAAGATTACA ATTCTAATGT	GGTATGAGCT CCATACTCGA	ATCATTTTTG TAGTAAAAAC	GTATATTGAT CATATACTA
421	TGATTGATTG ACTAACTAAC	ATTGATGTGT TAACTACACA	GTGTGTGTGA CACACACACT	TTGTGTTTGT AACACAAACA	GTGTGTGANT CACACACTNA	GTGWANATGT CACWTNTACA

481	GTGTATGGNT CACATACCNA	GTGTGTGAKT CACACACTMA	GTGTGTATGT CACACATACA	ATGNYTGTGT TACNRACACA	GTGANTGYGT CACTNACRCA	GTGTGTGANT CACACACTNA
541	GTGCATGTGT CACGTACACA	GTGTGTGTGA CACACACACT	CTGTGTCTAT GACACAGATA	GTGTATGACT CACATACTGA	GTGTGTGTGT CACACACACA	GTGTGTGTGT CACACACACA
601	GTGTGTGTGT CACACACACA	GTGTGTGTGT CACACACACA	GTGTGTTGTG CACACAACAC	AAAAAATATT TTTTTTTATAA	CTATGGTAGT GATACCATCA	GAGAGCCAAC CTCTCGGTTG
661	GCTCCGGCTC CGAGGCCGAG	AGGTGTCAGG TCCACAGTCC	TTGGTTTTTG AACC AAAAAC	AGACAGAGTC TCTGTCTCAG	TTTCACTTAG AAAGTGAATC	CTTGG AATTC GAACCTTAAG
721	TTGAAGACGA AACTTCTGCT	AAGGGCCTCG TTCCCGGAGC	TGATACGCCT ACTATGCGGA	ATTTTTATAG TAAAAATATC	GTTAATGTCA CAATTACAGT	TGATAATAAT ACTATTATTA
781	GGTTTCTTAG CCAAAGAATC	ACGTCAGGTG TGCAGTCCAC	GCACTTTTTCG CGTGAAAAGC	GGGAAATGTG CCCTTTACAC	CGCGGAACCC GCGCCTTGGG	CTATTTGTTT GATAAACAAA
841	ATTTTTCTAA TAAAAAGATT	ATACATTCAA TATGTAAGTT	ATATGTATCC TATACATAGG	GCTCATGAGA CGAGTACTCT	CAATAACCCT GTTATTGGGA	GATAAATGCT CTATTTACGA
901	TCAATAATAT AGTTATTATA	TGAAAAAGGA ACTTTTTCTT	AGAGTATGAG TCTCATACTC	TATTCAACAT ATAAGTTGTA	TTCCGTGTCTG AAGGCACAGC	CCCTTATTCC GGGAATAAGG
961	CTTTTTTGCG GAAAAACGC	GCATTTTGCC CGTAAAACGG	TTCCTGTTTT AAGGACAAAA	TGCTCACCCA ACGAGTGGGT	GAAACGCTGG CTTTGCGACC	TGAAAGTAAA ACTTTCATTT
021	AGATGCTGAA TCTACGACTT	GATCAGTTGG CTAGTCAACC	GTGCACGAGT CACGTGCTCA	GGGTTACATC CCCAATGTAG	GAAGTGGATC CTTGACCTAG	TCAACAGCGG AGTTGTGCGC
081	TAAGATCCTT ATTCTAGGAA	GAGAGTTTTTC CTCTCAAAAG	GCCCCGAAGA CGGGGCTTCT	ACGTTTTTCCA TGCAAAAGGT	ATGATGAGCA TACTACTCGT	CTTTTAAAGT GAAAATTTCA
141	TCTGCTATGT AGACGATACA	GGCGCGGTAT CCGCGCCATA	TATCCCGTGT ATAGGGCACA	TGACGCCGGG ACTGCGGCCC	CAAGAGCAAC GTTCTCGTTG	TCGGTTCGCCG AGCCAGCGGC
201	CATACACTAT GTATGTGATA	TCTCAGAATG AGAGTCTTAC	ACTTGGTTGA TGAACCAACT	GTACTCACCA CATGAGTGGT	GTCACAGAAA CAGTGTCTTT	AGCATCTTAC TCGTAGAATG
261	GGATGGCATG CCTACCGTAC	ACAGTAAGAG TGTCATTCTC	AATTATGCAG TTAATACGTC	TGCTGCCATA ACGACGGTAT	ACCATGAGTG TGGTACTCAC	ATAACACTGC TATTGTGACG
321	GGCCAACTTA CCGGTTGAAT	CTTCTGACAA GAAGACTGTT	CGATCGGAGG GCTAGCCTCC	ACCGAAGGAG TGGCTTCCTC	CTAACCCTT GATTGGCGAA	TTTTGCACAA AAAACGTGTT
381	CATGGGGGAT GTACCCCTA	CATGTAACTC GTACATTGAG	GCCTTGATCG CGGAAGTAGC	TTGGGAACCG AACCCTTGGC	GAGCTGAATG CTCGACTTAC	AAGCCATACC TTCGGTATGG
441	AAACGACGAG TTTGCTGCTC	CGTGACACCA GCACTGTGGT	CGATGCCTGC GCTACGGACG	AGCAATGGCA TCGTTACCGT	ACAACGTTGC TGTTGCAACG	GCAAACATTT CGTTTGATAA
501	AACTGGCGAA TTGACCGCTT	CTACTTACTC GATGAATGAG	TAGCTTCCCG ATCGAAGGGC	GCAACAATTA CGTTGTTAAT	ATAGACTGGA TATCTGACCT	TGGAGGCGGA ACCTCCGCCT
561	TAAAGTTGCA ATTTCAACGT	GGACCACTTC CCTGGTGAAG	TGCGCTCGGC ACGCGAGCCG	CCTTCCGGCT GGAAGGCCGA	GGCTGGTTTA CCGACCAAAT	TTGCTGATAA AACGACTATT
521	ATCTGGAGCC TAGACCTCGG	GGTGAGCGTG CCACTCGCAC	GGTCTCGCGG CCAGAGCGCC	TATCATTGCA ATAGTAACGT	GCACTGGGGC CGTGACCCCG	CAGATGGTAA GTCTACCATT

681.	GCCCTCCCGT CGGGAGGGCA	ATCGTAGTTA TAGCATCAAT	TCTACACGAC AGATGTGCTG	GGGGAGTCAG CCCCTCAGTC	GCAACTATGC CGTTGATACC	ATGAACGAAA TACTTGCTTT
741	TAGACAGATC ATCTGTCTAG	GCTGAGATAG CGACTCTATC	GTGCCTCACT CACGGAGTGA	GATTAAGCAT CTAATTCGTA	TGGTAACTGT ACCATTGACA	CAGACCAAGT GTCTGGTTCA
801	TTACTCATAT AATGAGTATA	ATACTTTAGA TATGAAATCT	TTGATTTAAA AACTAAATTT	ACTTCATTTT TGAAGTAAAA	TAATTTAAAA ATTAAATTTT	GGATCTAGGT CCTAGATCCA
861	GAAGATCCTT CTTCTAGGAA	TTTGATAATC AAACTATTAG	TCATGACCAA AGTACTGGTT	AATCCCTTAA TTAGGGAATT	CGTGAGTTTT GCACTCAAAA	CGTTCCACTG GCAAGGTGAC
921	AGCGTCAGAC TCGCAGTCTG	CCCGTAGAAA GGGCATCTTT	AGATCAAAGG TCTAGTTTCC	ATCTTCTTGA TAGAAGAACT	GATCCTTTTT CTAGGAAAAA	TTCTGCGCGT AAGACGCGCA
981	AATCTGCTGC TTAGACGACG	TTGCAAACAA AACGTTTGT	AAAAACCACC TTTTTGGTGG	GCTACCAGCG CGATGGTCGC	GTGGTTTGT CACCAAACAA	TGCCGGATCA ACGGCCTAGT
041	AGAGCTACCA TCTCGATGGT	ACTCTTTTTC TGAGAAAAAG	CGAAGGTAAC GCTTCCATTG	TGGCTTCAGC ACCGAAGTCG	AGAGCGCAGA TCTCGCGTCT	TACCAAATAC ATGGTTTATG
101	TGTCCTTCTA ACAGGAAGAT	GTGTAGCCGT CACATCGGCA	AGTTAGGCCA TCAATCCGGT	CCACTTCAAG GGTGAAGTTC	AACTCTGTAG TTGAGACATC	CACCGCCTAC GTGGCGGATG
161	ATACCTCGCT TATGGAGCGA	CTGCTAATCC GACGATTAGG	TGTTACCAGT ACAATGGTCA	GGCTGCTGCC CCGACGACGG	AGTGGCGATA TCACCGCTAT	AGTCGTGTCT TCAGCACAGA
221	TACCGGGTTG ATGGCCCAAC	GACTCAAGAC CTGAGTTCTG	GATAGTTACC CTATCAATGG	GGATAAGGCG CCTATTCCGC	CAGCGGTCGG GTCGCCAGCC	GCTGAACGGG CGACTTGCCC
281	GGGTTTCGTGC CCCAAGCACG	ACACAGCCCA TGTGTCGGGT	GCTTGGAGCG CGAACCTCGC	AACGACCTAC TTGCTGGATG	ACCGAACTGA TGGCTTGACT	GATACCTACA CTATGGATGT
341	GCGTGAGCTA CGCACTCGAT	TGAGAAAGCG ACTCTTTCGC	CCACGCTTCC GGTGCGAAGG	CGAAGGGAGA GCTTCCCTCT	AAGGCGGACA TTCCGCCTGT	GGTATCCGGT CCATAGGCCA
401	AAGCGGCAGG TTCGCCGTCC	GTCGGAACAG CAGCCTTGTC	GAGAGCGCAC CTCTCGCGTG	GAGGGAGCTT CTCCCTCGAA	CCAGGGGGAA GGTCCCCCTT	ACGCCTGGTA TGCGGACCAT
461	TCTTTATAGT AGAAATATCA	CCTGTGCGGT GGACAGCCCA	TTCGCCACCT AAGCGGTGGA	CTGACTTGAG GACTGAACTC	CGTCGATTTT GCAGCTAAAA	TGTGATGCTC ACACTACGAG
521	GTCAGGGGGG CAGTCCCCC	CGGAGCCTAT GCCTCGGATA	GGAAAAACGC CCTTTTTCGC	CAGCAACGCG GTCGTTGCGC	GCCTTTTAC CGGAAAAATG	GGTTCCTGGC CCAAGGACCG
581	CTTTTGCTGG GAAAACGACC	CCTTTTGCTC GGAAAACGAG	ACATGTTCTT TGTACAAGAA	TCCTGCGTTA AGGACGCAAT	TCCCCTGATT AGGGGACTAA	CTGTGGATAA GACACCTATT
541	CCGTATTACC GGCATAATGG	GCCTTTGAGT CGGAAACTCA	GAGCTGATAC CTCGACTATG	CGCTCGCCGC GCGAGCGGCG	AGCCGAACGA TCGGCTTGCT	CCGAGCGCAG GGCTCGCGTC
701	CGAGTCAGTG GCTCAGTCAC	AGCGAGGAAG TCGCTCCTTC	CGGAAGAGCG GCCTTCTCGC	CCTGATGCGG GGACTACGCC	TATTTTCTCC ATAAAAGAGG	TTACGCATCT AATGCGTAGA
761	GTGCGGTATT CACGCCATAA	TCACACCGCA AGTGTGGCGT	TATGGTGAC ATACCACGTG	TCTCAGTACA AGAGTCATGT	ATCTGCTCTG TAGACGAGAC	ATGCCGCATA TACGGCGTAT
321	GTTAAGCCAG CAATTCGGTC	TATACACTCC ATATGTGAGG	GCTATCGCTA CGATAGCGAT	CGTGACTGGG GCACTGACCC	TCATGGCTGC AGTACCGACG	GCCCCGACAC CGGGGCTGTG

881	CCGCCAACAC GGCGGTTGTG	CCGCTGACGC GGCGACTGCG	GCCCTGACGG CGGGACTGCC	GCTTGTCTGC CGAACAGACG	TCCCGGCATC AGGGCCGTAG	CGCTTACAGA GCGAATGTCT
941	CAAGCTGTGA GTTTCGACACT	CCGTCTCCGG GGCAGAGGCC	GAGCTGCATG CTCGACGTAC	TGTCAGAGGT ACAGTCTCCA	TTTCACCGTC AAAGTGGCAG	ATCACCGAAA TAGTGGCTTT
001	CGCGCGAGGC GCGCGCTCCG	AGCTGCGGTA TCGACGCCAT	AAGCTCATCA TTCGAGTAGT	GCGTGGTCGT CGCACCAGCA	GAAGCGATTC CTTCGCTAAG	ACAGATGTCT TGTCTACAGA
061	GCCTGTTTCAT CGGACAAGTA	CCGCGTCCAG GGCGCAGGTC	CTCGTTGAGT GAGCAACTCA	TTCTCCAGAA AAGAGGTCTT	GCGTTAATGT CGCAATTACA	CTGGCTTCTG GACCGAAGAC
121	ATAAAGCGGG TATTTTCGCCC	CCATGTTAAG GGTACAATTC	GGCGGTTTTT CCGCCAAAAA	TCCTGTTTTG AGGACAAACC	TCACTTGATG AGTGAACTAC	CCTCCGTGTA GGAGGCACAT
181	AGGGGGAATT TCCCCCTTAA	TCTGTTTCATG AGACAAGTAC	GGGGTAATGA CCCCATTACT	TACCGATGAA ATGGCTACTT	ACGAGAGAGG TGCTCTCTCC	ATGCTCACGA TACGAGTGCT
241	TACGGGTTAC ATGCCCAATG	TGATGATGAA ACTACTACTT	CATGCCCGGT GTACGGGCCA	TACTGGAACG ATGACCTTGC	TTGTGAGGGT AACACTCCCA	AAACAACCTGG TTTGTGACC
301	CGGTATGGAT GCCATACCTA	GCGGCGGGAC CGCCGCCCTG	CAGAGAAAAA GTCTCTTTTT	TCACTCAGGG AGTGAGTCCC	TCAATGCCAG AGTTACGGTC	CGCTTCGTTA GCGAAGCAAT
361	ATACAGATGT TATGTCTACA	AGGTGTTCCA TCCACAAGGT	CAGGGTAGCC GTCCCATCGG	AGCAGCATCC TCGTCTGAGG	TGCGATGCAG ACGCTACGTC	ATCCGGAACA TAGGCCTTGT
421	TAATGGTGCA ATTACCACGT	GGGCGCTGAC CCCGCGACTG	TTCCGCGTTT AAGGCGCAA	CCAGACTTTA GGTCTGAAAT	CGAAACACGG GCTTTGTGCC	AAACCGAAGA TTTGGCTTCT
481	CCATTCATGT GGTAAGTACA	TGTTGCTCAG ACAACGAGTC	GTCGCAGACG CAGCGTCTGC	TTTTGCAGCA AAAACGTCGT	GCAGTCGCTT CGTCAGCGAA	CACGTTTCGT GTGCAAGCGA
541	CGCGTATCGG GCGCATAGCC	TGATTCATTC ACTAAGTAAG	TGCTAACCAG ACGATTGGTC	TAAGGCAACC ATTCCGTTGG	CCGCCAGCCT GGCGGTCGGA	AGCCGGGTCC TCGGCCCAGG
601	TCAACGACAG AGTTGCTGTC	GAGCACGATC CTCGTGCTAG	ATGCGCACCC TACGCGTGGG	GTGGCCAGGA CACCGGTCCT	CCCAACGCTG GGGTTGCGAC	CCCGAGATGC GGGCTCTACG
661	GCCGCGTGCG CGGCGCACGC	GCTGCTGGAG CGACGACCTC	ATGGCGGACG TACCGCCTGC	CGATGGATAT GCTACCTATA	GTTCTGCCAA CAAGACGGTT	GGGTTGGTTT CCCAACCAAA
721	GCGCATTCAC CGCGTAAGTG	AGTTCTCCGC TCAAGAGGCG	AAGAATTGAT TTCTTAACTA	TGGCTCCAAT ACCGAGGTTA	TCTTGAGAGT AGAACCTCAC	GTGAATCCGT CACTTAGGCA
781	TAGCGAGGTG ATCGCTCCAC	CCGCCGGCTT GGCGGCCGAA	CCATTCAGGT GGTAAGTCCA	CGAGGTGGCC GCTCCACCGG	CGGCTCCATG GCCGAGGTAC	CACCGCGACG GTGGCGCTGC
841	CAACGCGGGG GTTGCGCCCC	AGGCAGACAA TCCGTCTGTT	GGTATAGGGC CCATATCCCC	GGCGCCTACA CCGCGGATGT	ATCCATGCCA TAGGTACGGT	ACCCGTTCCA TGGGCAAGGT
901	TGTGCTCGCC ACACGAGCGG	GAGGCGGCAT CTCCGCCGTA	AAATCGCCGT TTTAGCGGCA	GACGATCAGC CTGCTAGTCG	GGTCCAGTGA CCAGGTCACT	TCGAAGTTAG AGCTTCAATC
961	GCTGGTAAGA CGACCATTCT	GCCGCGAGCG CGGCGCTCGC	ATCCTTGAAG TAGGAAC TTC	CTGTCCCTGA GACAGGGACT	TGGTCGTCAT ACCAGCAGTA	CTACCTGCCT GATGGACGGA
021	GGACAGCATG CCTGTCTGAC	GCCTGCAACG CGGACGTTGC	CGGGCATCCC GCCCGTAGGG	GATGCCGCCG CTACGGCGGC	GAAGCGAGAA CTTCGCTCTT	GAATCATAAT CTTAGTATTA

7081 GGGGAAGGCC ATCCAGCCTC GCGTCGCGAA CGCCAGCAAG ACGTAGCCCA GCGCGTCGGC
CCCCTTCCGG TAGGTTCGGAG CGCAGCGCTT GCGGTTCGTT TGCATCGGGT CGCGCAGCCG

7141 CGCCATGCCG GCGATAATGG CCTGCTTCTC GCCGAAACGT TTGGTGGCGG GACCAGTGAC
GCGGTACGGC CGCTATTACC GGACGAAGAG CGGCTTTGCA AACCACCGCC CTGGTCACTG

7201 GAAGGCTTGA GCGAGGGCGT GCAAGATTCC GAATACCGCA AGCGACAGGC CGATCATCGT
CTTCCGAAC TCGTCCCGCA CGTTCTAAGG CTTATGGCGT TCGCTGTCCG GCTAGTAGCA

7261 CGCGCTCCAG CGAAAGCGGT CCTCGCCGAA AATGACCCAG AGCGCTGCCG GCACCTGTCC
GCGCGAGGTC GCTTTCGCCA GGAGCGGCTT TTAAGGGGTC TCGCGACGGC CGTGGACAGG

7321 TACGAGTTGC ATGATAAAGA AGACAGTCAT AAGTGC GGCG ACGATAGTCA TGCCCCGCGC
ATGCTCAACG TACTATTTCT TCTGTCAAGT TTCACGCCGC TGCTATCAGT ACGGGGCGCG

7381 CCACCGGAAG GAGCTGACTG GGTGGAAGGC TCTCAAGGGC ATCGGTTCGAC GCTCTCCCTT
GGTGGCCTTC CTCGACTGAC CCAACTTCCG AGAGTTCCCG TAGCCAGCTG CGAGAGGGAA

7441 ATGCGACTCC TGCATTAGGA AGCAGCCCAG TAGTAGGTTG AGGCCGTTGA GCACCGCCGC
TACGCTGAGG ACGTAATCCT TCGTCGGGTC ATCATCCAAC TCCGGCAACT CGTGGCGGCG

7501 CGCAAGGAAT GGTGCATGCA AGGAGATGGC GCCCAACAGT CCCCCGGCCA CGGGGCCTGC
GCGTTCCTTA CCACGTACGT TCCTCTACCG CGGGTTGTCA GGGGGCCGGT GCCCCGGACG

561 CACCATACCC ACGCCGAAAC AAGCGCTCAT GAGCCC GAAG TGGCGAGCCC GATCTTCCCC
GTGGTATGGG TCGGGCTTTG TTCGCGAGTA CTCGGGCTTC ACCGCTCGGG CTAGAAGGGG

621 ATCGGTGATG TCGGCGATAT AGGCGCCAGC AACCGCACCT GTGGCGCCGG TGATGCCGGC
TAGCCACTAC AGCCGCTATA TCCGCGGTCG TTGGCGTGGA CACCGCGGCC ACTACGGCCG

681 CACGATGCGT CCGGCGTAGA GCGCCACAGG ACGGGTGTGG TCGCCATGAT CGCGTAGTCG
GTGCTACGCA GGCCGCATCT CGCGGTGTCC TGCCACACACC AGCGGTACTA GCGCATCAGC

741 ATAGTGGCTC CAAGTAGCGA AGCGAGCAGG ACTGGGCGGC GGCCAAAGCG GTCGGACAGT
TATCACCGAG GTTCATCGCT TCGCTCGTCC TGACCCGCCG CCGGTTTCGC CAGCCTGTCA

801 GCTCCGAGAA CCGGTGCGCA TAGAAATTGC ATCAACGCAT ATAGCGCTAG CAGCACGCCA
CGAGGCTCTT GCCACGCGT ATCTTTAACG TAGTTGCGTA TATCGCGATC GTCGTGCGGT

861 TAGTGA CTGG CGATGCTGTC GGAATGGACG ATATCCCGCA AGAGGCCCGG CAGTACCGGC
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921 ATAACCAAGC CTATGCCTAC AGCATCCAGG GTGACGGTGC CGAGGATGAC GATGAGCGCA
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981 TTGTTAGATT TCATACACGG TGCCTGACTG CGTTAGCAAT TTAAGTGTGA TAAACTACCG
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041 CATTA
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